

### Configure a WPA2 Enterprise WLAN on the WLC

#### Create a new WLAN

Create a new VLAN interface and configure a RADIUS server. Then create a new WLAN and configure the WLAN Security

#### DHCP Scope and SNMP

Configure a DHCP Scope and the SNMP

#### Connect Hosts

Configure a host to connect to the enterprise network and then test the connectivity

### Configure a Basic WLAN on the WLC

#### Monitor the WLC

Is the WLC connected to an AP?

#### Create a Wireless LAN

Create and enable the WLAN and afterwards secure the WLAN. Verify the Settings

#### Connect a Host to the WLAN

Connect to the network and verify connectivity

### WLAN Configuration

#### Home wireless router

Change the DHCP settings and configure the wireless LAN. Then configure the security and connect the clients to the network

#### WLC controller network

Configure the different VLAN interfaces, configure DHCP scope, configure WLC with external server addresses, create the WLANs and configure the hosts to connect to the WLANs. Last but not least, test the connectivity

### Troubleshoot WLAN Issues – Instructions Answer

#### Troubleshoot the Network

Test connectivity and investigate issues and record findings

#### Fix issues

Try to fix the issues you just detected

### Security types

#### No security

least secure option. only use it for SSIDs in a public space

#### Static WEP key

static WEP keys are vulnerable to attack. If you configure this setting, you should consider limiting association to the wireless device based on the MAC address.

#### EAP authentication

uses mandatory encryption

#### WPA

permits wireless access to users who are authenticated against a database. very safe!

### useful commands

#### Opens the connection between the wireless device and the router's console.

```
service-module wlan-ap 0 session
```



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